

Republic of Iraq

The Ministry Of Higher
Education

& Scientific Research

بسم الله الرحمن الرحيم



University: Diyala
College: Agriculture
Department: Soil Sci. & Water
Resources
Stage: 4st
Name: Aswad. H .Aswad
Academic Status: Assistant
Professor
Qualification: PhD.
Place of work: Coll. Of
Agriculture

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Course Instructor	Aswad H .Aswad				
E-mail	aswadhaswad@uodiyala.edu.iq				
Title	land reclamation				
Course Coordinator	Second Course				
Course Objective	The aim is to familiarize students with the principles and techniques involved in reclaiming land for various.				
Course Description	Land Reclamation, refers to , which include providing students with a general understanding of the concept of land reclamation, the scientific foundations of the reclamation process, and the variations in reclamation methods among different types of soil.				
Textbook	Al-Zubaidi, Ahmad H (1992). land reclamation. Ministry of Higher Education and Scientific Research. Baghdad University. Shafiq Ibrahim Abdel-Al and Amin Hamad Al-Rawi. 1981. Soil reclamation and improvement. Ministry of Higher Education and Scientific Research. Sulaymaniyah University.				
Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final Exam
	(20%)	(15%)	(5%)		(60%)

week	Date	Topics Covered	Practical Part
1	31/1/2024	the concept of land reclamation and its role in agricultural development.	the conducted an experiment to study the effect of saltwater on seed germination.
2	7/2/2024	Methods of Reclaiming Salt-Affected Soils	
3	14/2/2024	the process of land reclamation in saline-affected soils.	The conducting an experiment to analyze a saline soil in soil columns.
4	21/2/2024	The initial stage of soil reclamation, which involves surveys and investigations field .	
5	28/2/2024	The second stage of field calculations and investigations in the context of land reclamation.	the process of estimating electrical conductivity and the presence of positive and negative ions in
6	6/3/2024	The third stage is implementation.	
7	13/3/2024	The fourth stage is farming	the process of estimating electrical conductivity and the presence of positive and negative ions in soil
8	20/3/2024	Management of Reclaimed Soils.	
9	27/3/2024	the results of experiments conducted on the reclamation of saline soils in Iraq.	Review some basic concepts about concentrations in saline solutions
10	3/4/2024	Reclamation of sodic soils	
11	10/4/2024	Reclamation of gypsum soils	The experimental calculation of soil resistance to salinity
12	17/4/2024	Reclamation of sand and desert soils	
13	24/4/2024	Reclamation of Calcareous soils	The reclamation of sand and gypsum soils by adding organic matter and its impact on plant growth.
14	1/5/2024	Reclamation of moist soils	